

INTER-DEPARTMENTAL COMMUNICATIONS

TO : The State Engineer

FROM : Frank Reese, Controller (92)

SUBJECT : Little Deer Creek Reservoir

DATE : June 25, 1963

Last Saturday, June 22, 1963, I had the opportunity of looking at the recent damage of the above listed reservoir in the company of Francis T. Mayo of our office and Mr. John M. Bradshaw of the Soil Conservation Service office.

I left Salt Lake City at 7:30 A.M., reached the reservoir site at 9:45 A.M. and returned home at 6:00 P.M.

The following comments are from a laymans point of view and the only reason I went on this trip is my personal interest of being a State Engineer employee involved in the administration of water.

RESERVOIR SITE

The reservoir was empty and the only water flowing was that through the bed of the reservoir, my guess would be about 15 to 18 c.f.s. after walking down to such water.

The collapsed portion of the dam was approximately 75 feet across the top and probably 65 to 75 feet down to the water or bed. The south side of the dam was wet in two spots with water draining down. Both wet spots were at lease 1/3 and lower, below the top side of the reservoir on the south side of the reservoir fill. The apparent height of the reservoir depth gage had been at 34 feet. The spillway was dry. There was a small snow bank on the south side of the dam site.

RESERVOIR SITE TO DUCHESNE TUNNEL DIVERSION

Since I have seen the West portal of the Duchesne Tunnel, I took the opportunity to walk the $2\frac{1}{2}$ to 3 miles down to the east portal of the tunnel. The diversion structure at the north fork of the Duchesne River was operating and apparently the major portion of the flow was going through the tunnel to the Provo River. There will be considerable expense in removing the debris from the diversion structure and replacing a mile or so of road to get to the diversion structure.